AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-49.   (Canceled)

50.   (New) A method, comprising:

(a) receiving a set of data values;

(b) generating a first graphical image representative of the data values;

(c) selecting first and second data values on the first graphical image, a first portion of the first graphical image being positioned between the selected first and second data values;

(d) editing the first portion of the first graphical image to produce a second graphical image, wherein the first and second graphical images are different and wherein editing comprises at least one of the following substeps:

(c1) repositioning at least one point on the first portion of the first graphical image using a user manipulable affordance positioned on the first graphical image; and

(c2) applying a user selected first editing function to the first graphical image, the user selecting the first editing function from among a plurality of predetermined editing functions; and

(e) recalculating at least a portion of the set of data values based on the second graphical image.

51.   (New) The method of claim 50, wherein the set of data values is a table and wherein the table includes a plurality of measurements of a parameter and wherein the parameter has a time varying value.

52. (New) The method of claim 51, wherein the table is used to simulate a workflow process.

53. (New) The method of claim 50, further comprising:

(f) displaying a value associated with a specified location on at least one of the first and second graphical images in response to the user positioning a cursor over the specified location, wherein the value is displayed in the vicinity of the cursor.

54. (New) The method of claim 50, wherein each of the first and second graphical images is a strip chart.

55. (New) The method of claim 54, wherein the strip chart is in the form of a bar chart, line chart, or a combination thereof.

56. (New) The method of claim 54, wherein the first and second graphical images comprise a time-series of values associated with comparable measures.

57. (New) The method of claim 50, wherein the set of data values is in the form of a plurality of cells, each cell containing a data value.

58. (New) The method of claim 50, wherein substep (c1) is performed.

59. (New) The method of claim 58, wherein the affordance is repositioned using a click-and-drag operation

60. (New) The method of claim 58, wherein, when the user selects a first mode, a plurality of affordances are displayed on the first graphical image.

61.   (New) The method of claim 50, wherein substep (c2) is performed.

62.   (New) The method of claim 61, wherein a representation of each of the plurality of editing functions is displayed with the first graphical image in one or more dialog boxes.

63.   (New) The method of claim 61, wherein the plurality of editing functions include a plurality of a normal distribution, a Gaussian distribution, a Poisson distribution, a uniform editing function, a double ramp editing function, and an exponential editing function.

64.   (New) A computer readable medium comprising processor executable instructions to perform the steps of claim 50.

65.   (New) A computer system, comprising:
user interface means for receiving a set of data values; and
processing means for:
        (a) generating a first graphical image representative of the data values,
        (b) selecting first and second data values on the first graphical image, a first portion of the first graphical image being positioned between the selected first and second data values,
        (c) editing the first portion of the first graphical image to produce a second graphical image, wherein the first and second graphical images are different and wherein the editing function comprises at least one of the following subfunctions:
                (c1) repositioning at least one point on the first portion of the first graphical image using a user manipulable affordance positioned on the first graphical image; and

(c2) applying a user selected first editing function to the first

15 graphical image, the user selecting the first editing function from among a plurality of

predetermined editing functions, and

(d) recalculating at least a portion of the set of data values based on the

second graphical image.

66. (New) The computer system of claim 65, wherein the set of data values is

a table and wherein the table includes a plurality of measurements of a parameter and

wherein the parameter has a time varying value.

67. (New) The computer system of claim 66, wherein the table is used to

simulate a workflow process.

68. (New) The computer system of claim 65, wherein the processing means

further performs the function of:

(f) displaying a value associated with a specified location on at least one of the

first and second graphical images in response to the user positioning a cursor over the

5 specified location, wherein the value is displayed in the vicinity of the cursor.

69. (New) The computer system of claim 65, wherein each of the first and

second graphical images is a strip chart.

70. (New) The computer system of claim 69, wherein the strip chart is in the

form of a bar chart, line chart, or a combination thereof.

71. (New) The computer system of claim 69, wherein the first and second

graphical images comprise a time-series of values associated with comparable measures.

72. (New) The computer system of claim 65, wherein the set of data values is in the form of a plurality of cells, each cell containing a data value.

73. (New) The computer system of claim 65, wherein subfunction (c1) is performed.

74. (New) The computer system of claim 73, wherein the affordance is repositioned using a click-and-drag operation

75. (New) The computer system of claim 73, wherein, when the user selects a first mode, a plurality of affordances are displayed on the first graphical image.

76. (New) The computer system of claim 65, wherein subfunction (c2) is performed.

77. (New) The computer system of claim 76, wherein a representation of each of the plurality of editing functions is displayed with the first graphical image in one or more dialog boxes.

78. (New) The computer system of claim 76, wherein the plurality of editing functions include a plurality of a normal distribution, a Gaussian distribution, a Poisson distribution, a uniform editing function, a double ramp editing function, and an exponential editing function.

79. (New) A computer system, comprising:
a user interface operable to receive a set of data values; and
a processor operable to:

(a) generate a first graphical image representative of the data values,

5   (b) select first and second data values on the first graphical image, a first portion of the first graphical image being positioned between the selected first and second data values,

(c) edit the first portion of the first graphical image to produce a second graphical image, wherein the first and second graphical images are different and wherein

10   the editing operation comprises at least one of the following suboperations:

(c1) repositioning at least one point on the first portion of the first graphical image using a user manipulable affordance positioned on the first graphical image; and

(c2) applying a user selected first editing function to the first

15   graphical image, the user selecting the first editing function from among a plurality of predetermined editing functions, and

(d) recalculate at least a portion of the set of data values based on the second graphical image.

80.   (New) The computer system of claim 79, wherein the set of data values is a table and wherein the table includes a plurality of measurements of a parameter and wherein the parameter has a time varying value.

81.   (New) The computer system of claim 80, wherein the table is used to simulate a workflow process.

82.   (New) The computer system of claim 79, wherein the processor further performs the operation of:

(f) displaying a value associated with a specified location on at least one of the first and second graphical images in response to the user positioning a cursor over the specified location, wherein the value is displayed in the vicinity of the cursor.

83.   (New) The computer system of claim 79, wherein each of the first and second graphical images is a strip chart.

84.   (New) The computer system of claim 83, wherein the strip chart is in the form of a bar chart, line chart, or a combination thereof.

85.   (New) The computer system of claim 83, wherein the first and second graphical images comprise a time-series of values associated with comparable measures.

86.   (New) The computer system of claim 79, wherein the set of data values is in the form of a plurality of cells, each cell containing a data value.

87.   (New) The computer system of claim 79, wherein suboperation (c1) is performed.

88.   (New) The computer system of claim 87, wherein the affordance is repositioned using a click-and-drag operation

89.   (New) The computer system of claim 87, wherein, when the user selects a first mode, a plurality of affordances are displayed on the first graphical image.

90.   (New) The computer system of claim 79, wherein suboperation (c2) is performed.

91.   (New) The computer system of claim 90, wherein a representation of each of the plurality of editing functions is displayed with the first graphical image in one or more dialog boxes.

92.   (New) The computer system of claim 90, wherein the plurality of editing functions include a plurality of a normal distribution, a Gaussian distribution, a Poisson distribution, a uniform editing function, a double ramp editing function, and an exponential editing function.